

a comparator receiving the timing mark signal and the ignition signal, the comparator providing an output signal indicative of substantial simultaneous occurrence of the timing mark signal and the ignition signal; and
an indicator receiving the output signal and operable as a function thereof.

12. (Amended) A method for timing an engine having a timing port through which a timing mark indicative of a position of a movable member of the engine can be seen, the method comprising:

securing a variable reluctance sensor proximate the timing port;
sensing the presence of the timing mark of the engine with the variable reluctance sensor and providing a timing mark signal as a function thereof;
sensing an occurrence of an ignition spark and providing an ignition signal as a function thereof;
filtering ignition sparks of compression strokes from ignition sparks of compression and exhaust strokes of a selected cylinder, the ignition signal being indicative of only the ignition sparks of compression strokes;
comparing the timing mark signal to the ignition signal and providing an output signal indicative of substantial simultaneous occurrence of the timing mark signal and the ignition signal; and
operating an indicator as a function of the output signal.

Please add the following new claims:

21. (New) In combination with a Harley Davidson motorcycle engine having a timing port and a timing mark indicative of a position of a movable member, an ignition timing device for timing the engine, the ignition timing device comprising:

- a sensor secured in the timing port to provide a timing mark signal indicative of presence of the timing mark;
- an ignition sensor adapted to provide an ignition signal indicative of the occurrence of an ignition spark;
- a comparator receiving the timing mark signal and the ignition signal, the comparator providing an output signal indicative of substantial simultaneous occurrence of the timing mark signal and the ignition signal; and
- an indicator receiving the output signal and operable as a function thereof.

22. (New) The ignition timing device of claim 21 and further comprising:

- a delay element receiving the ignition signal and providing a delayed signal having a selected delay from the ignition signal; and
- wherein the comparator receives the delayed signal, the comparator providing an output signal indicative of substantial simultaneous occurrence of the timing mark signal and the delayed signal.

23. (New) The combination of claim 21 wherein the Harley Davidson motorcycle engine provides ignition sparks of compression strokes

and ignition sparks of compression and exhaust strokes of a selected cylinder and wherein the ignition timing device further comprises means for filtering ignition sparks of compression strokes from ignition sparks of compression and exhaust strokes of the selected cylinder.

24. (New) The ignition timing device of claim 21 wherein the sensor comprises a variable reluctance sensor.

25. (New) The ignition timing device of claim 21 wherein the ignition sensor includes a comparator providing the ignition signal, wherein the ignition signal is indicative of a spark exceeding a selected threshold.

26. (New) The ignition timing device of claim 25 wherein the selected threshold is constant.

27. (New) The ignition timing device of claim 26 and further comprising a peak detector, and wherein the selected threshold is a function of at least one previous detected spark.